STN- Structure Search 12/15/05

09/902,845

=> d ibib abs hitstr 1-8

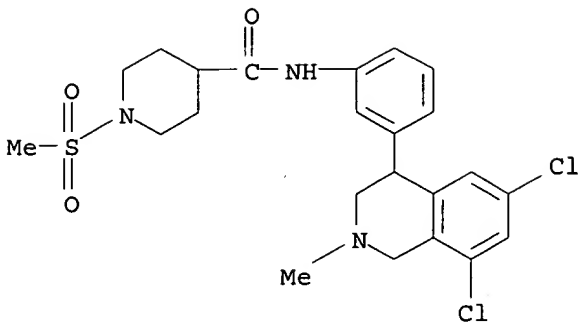
L6 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:454295 CAPLUS
DOCUMENT NUMBER: 139:52892
TITLE: Preparation of 2-(2-methyl-1,2,3,4-tetrahydroisoquinolin-4-yl)phenyls as sodium ion proton antiporter (NHE) inhibitors
INVENTOR(S): Hofmeister, Armin; Heinelt, Uwe; Lang, Hans-Jochen; Bleich, Markus; Wirth, Klaus; Gekle, Michael
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany
SOURCE: PCT Int. Appl., 304 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2003048129	A1	20030612	WO 2002-EP12990		20021120
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2469385	AA	20030612	CA 2002-2469385		20021120
EP 1453810	A1	20040908	EP 2002-804183		20021120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
BR 2002014753	A	20041214	BR 2002-14753		20021120
JP 2005515205	T2	20050526	JP 2003-549321		20021120
US 2004044211	A1	20040304	US 2002-309352		20021204
US 6911453	B2	20050628			
ZA 2004003711	A	20050609	ZA 2004-3711		20040514
NO 2004002158	A	20040827	NO 2004-2158		20040525
US 2005009864	A1	20050113	US 2004-866843		20040614
PRIORITY APPLN. INFO.:			DE 2001-10159714	A	20011205
			US 2002-353513P	P	20020201
			WO 2002-EP12990	W	20021120
			US 2002-309352	A3	20021204

OTHER SOURCE(S): MARPAT 139:52892
GI

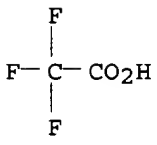
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1, R2, R3, R4 = H, halo, CN, etc.; R5 = H, CpH2p+1, CssH2ss-1, etc.; p = 1-8; ss = 3-8; R6 = H, halo, OH, etc.; R7, R8, R9 = Ov-SOw-R23; v = 0, 1; w = 0-2, R23 = OH, CnnH2nn+1, CmmH2mm-1, etc.; nn = 1-8] and their pharmaceutically acceptable salts were prepared For example, acid catalyzed intramol. Pictet Spengler cyclization of benzyl alc. II, prepared from N-methyl-2,4-dichlorobenzylamine in 3-steps, afforded claimed phenyltetrahydroisoquinoline III. In proton sodium antiporting protein (NHE3) inhibition studies, 27-examples of compds. I exhibited IC50 values ranging from 0.024-1.507 μM, e.g., the IC50 value of



CM 2

CRN 76-05-1
CMF C2 H F3 O2



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Inventors

L6 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:51467 CAPLUS
DOCUMENT NUMBER: 136:118393
TITLE: Preparation and use of furan-fused-4-phenyl substituted tetrahydroisoquinolines for treatment of attention deficit hyperactivity disorder (ADHD)
INVENTOR(S): Beck, James P.; Pechulis, Anthony D.; Harms, Arthur E.
PATENT ASSIGNEE(S): Dupont Pharmaceuticals Company, USA
SOURCE: PCT Int. Appl., 116 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002004455	A2	20020117	WO 2001-US21818	20010711
WO 2002004455	A3	20020620		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2415532	AA	20020117	CA 2001-2415532	20010711
US 2002091134	A1	20020711	US 2001-902845	20010711
EP 1299393	A2	20030409	EP 2001-952616	20010711

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

BR 2001012350	A	20030624	BR 2001-12350		20010711
JP 2004502774	T2	20040129	JP 2002-509320		20010711
NZ 523456	A	20041126	NZ 2001-523456		20010711
PRIORITY APPLN. INFO.:			US 2000-217412P	P	20000711
			WO 2001-US21818	W	20010711

OTHER SOURCE(S): MARPAT 136:118393

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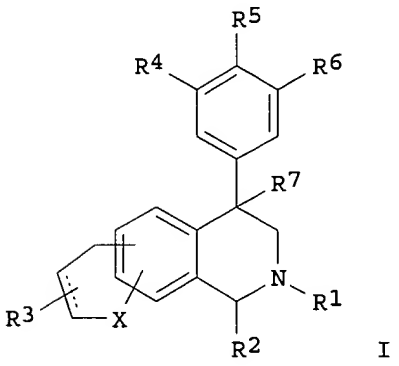

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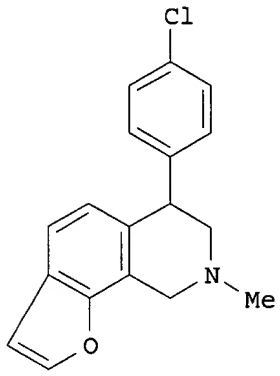


II

AB Title compds. I [R1 = alk(en/yn)yl, cycloalkyl, 5-cycloalkylalkyl and benzyl, each of which is optionally substituted with 1 to 3 substituents; R2 = H, alk(en/yn)yl, cycloalkyl, cycloalkylalkyl and haloalkyl; R3 = H, halo, alkyl, haloalkyl and cycloalkyl, wherein alkyl, haloalkyl and cycloalkyl are optionally substituted with 1 to 3 substituents selected from alkoxy and amino; R4-6 = H, halo, alkoxy, NO2, amino, amido, ureido, S(O)n, CN, acyl, carboxy, carboxamide, alk(en/yn)yl, cycloalkyl and cycloalkylalkyl; alternatively R5-6 = O-alkyl-O; R7 = H, halo and alkoxy; X = O, NH (and substituted derivs.) and S; n = 0 - 2] with some provisos, were prepared E.g., 7-formylbenzofuran was converted to the corresponding methylamino-Me derivative (MeOH, MeNH2, NaBH4), alkylated with p-chlorophenacyl bromide (CH2Cl2, Et3N) and reduced to the amino alc. (CH2Cl2, NaBH4, 5 h, 0° → room temperature). This intermediate was treated dropwise with MsOH (CH2Cl2, 0°C → reflux, overnight) to give II as a yellow oil (18% overall yield). Over 150 synthetic examples were provided. Compds. I are selective neurotransmitter receptor binding ligands (no data). I are useful in the treatment of attention-deficit hyperactivity disorder.

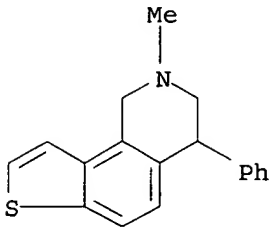
IT **389844-43-3P 389845-23-2P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug; preparation and use of furan-fused-4-Ph substituted tetrahydroisoquinolines for treatment of attention deficit hyperactivity disorder (ADHD))

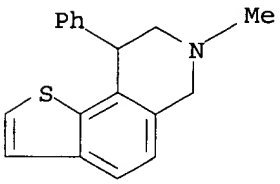
RN 389844-43-3 CAPLUS

CN Thieno[2,3-h]isoquinoline, 1,2,3,4-tetrahydro-2-methyl-4-phenyl-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 389845-23-2 CAPLUS
CN Thieno[2,3-f]isoquinoline, 6,7,8,9-tetrahydro-7-methyl-9-phenyl-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

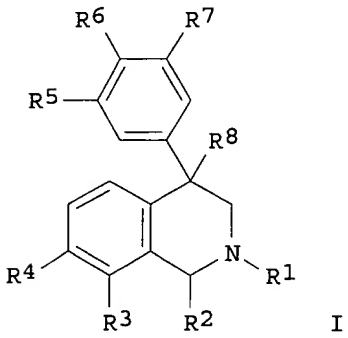
L6 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:338496 CAPLUS
DOCUMENT NUMBER: 134:353258
TITLE: Aryl- and heteroaryl-substituted tetrahydroisoquinolines and use thereof to block reuptake of norepinephrine, dopamine and serotonin
INVENTOR(S): Beck, James P.; Curry, Matt A.; Smith, Mark A.
PATENT ASSIGNEE(S): Du Pont Pharmaceuticals Company, USA
SOURCE: PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001032625	A1	20010510	WO 2000-US30329	20001103
W: AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2389306	AA	20010510	CA 2000-2389306	20001103
BR 2000015320	A	20020709	BR 2000-15320	20001103
EP 1246806	A1	20021009	EP 2000-976885	20001103
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR				

JP 2003513074	T2	20030408	JP 2001-534777		20001103
AU 781179	B2	20050512	AU 2001-14597		20001103
US 2002143014	A1	20021003	US 2002-91949		20020306
US 6579885	B2	20030617			
US 2003203920	A1	20031030	US 2003-426097		20030429
US 2005020597	A1	20050127	US 2004-917801		20040813
PRIORITY APPLN. INFO.:			US 1999-163269P	P	19991103
			US 2000-704305	B1	20001102
			WO 2000-US30329	W	20001103
			US 2002-91949	A3	20020306
			US 2003-426097	A1	20030429

OTHER SOURCE(S): MARPAT 134:353258

GI



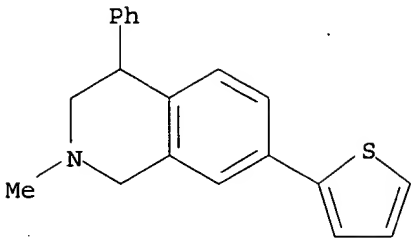
I

AB Diarylmethyltetrahydroisoquinolines (4R)- or (4S)-I [R1 = (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl; R2 = H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, haloalkyl; R3 = H, halogen, (un)substituted OH, S(O)nH, CN, CHO, CONH2, alkyl, alkenyl, alkynyl, cycloalkyl; R4 = (un)substituted aryl, heteroaryl; R5-R7 = H, halogen, CN, (un)substituted OH, NH2, S(O)nH, CHO, CONH2, alkyl, alkenyl, alkynyl, cycloalkyl; R8 = H, (un)substituted OH; n = 0-2] were prepared for use as blockers of the reuptake of norepinephrine, dopamine and serotonin (no data). Thus, 3-bromobenzaldehyde is stirred in the presence of methylamine and reduced with sodium borohydride followed by addition of α-chloroacetophenone and reduction of the amino ketone in situ with sodium borohydride to give 3-BrC6H4CH2N(Me)CH2CH(OH)Ph; cyclization of the benzyl alc. with sulfuric acid followed by coupling with phenylboronic acid gave I (R1 = Me; R4 = Ph; R2 = R3 = R5 = R6 = R7 = H) as an oil. Such compds. are particularly useful in the treatment of a neurol. and psychiatric disorders which are created by or are dependent upon decreased availability of serotonin, norepinephrine or dopamine, such as attention deficit-hyperactivity disorder (ADHD), anxiety, depression, and addiction disorders.

IT **338997-66-3P 338997-73-2P 338997-75-4P**
338998-19-9P 338998-25-7P 338998-27-9P
338998-63-3P 338998-66-6P 338998-67-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of diarylmethyltetrahydroisoquinolines as selective reuptake inhibitors of dopamine, norepinephrine, and serotonin)

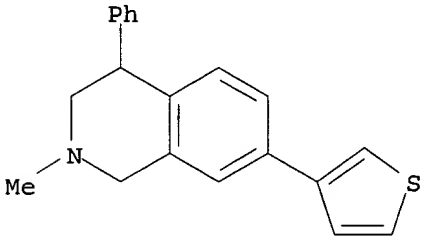
RN 338997-66-3 CAPLUS

CN Isoquinoline, 1,2,3,4-tetrahydro-2-methyl-7-(4-methyl-2-thienyl)-4-phenyl-(9CI) (CA INDEX NAME)



RN 338998-67-7 CAPLUS
CN Isoquinoline, 1,2,3,4-tetrahydro-2-methyl-4-phenyl-7-(3-thienyl)-, (-)- (9CI) (CA INDEX NAME)

Rotation (-).

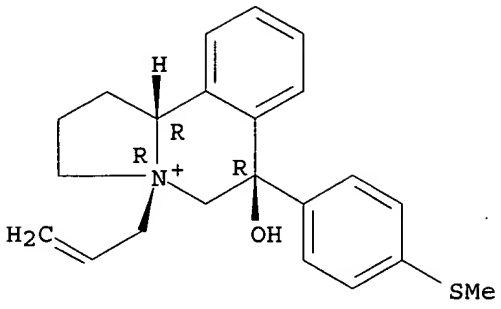


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:490065 CAPLUS
DOCUMENT NUMBER: 133:266709
TITLE: 3-Aza-Cope Rearrangement of Quaternary N-Allyl Enammonium Salts. Stereospecific 1,3 Allyl Migration from Nitrogen to Carbon on a Tricyclic Template
AUTHOR(S): McComsey, David F.; Maryanoff, Bruce E.
CORPORATE SOURCE: Drug Discovery, R. W. Johnson Pharmaceutical Research Institute, Spring House, PA, 19477, USA
SOURCE: Journal of Organic Chemistry (2000), 65(16), 4938-4943
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 133:266709
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

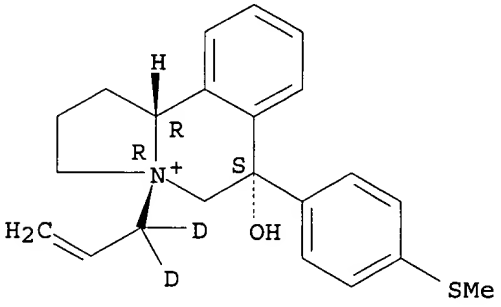
AB N-Allyl enamines can undergo a [3,3] sigmatropic rearrangement known as a 3-aza-Cope (or amino-Claisen) reaction. We explored a 3-aza-Cope reaction involving 1,3 allylic migration from nitrogen to carbon in N-allyl enammonium quaternary salts, exemplified by benzo[a]quinolizine I and pyrrolo[2,1-a]isoquinoline II, with an interest in stereochem. and mechanism. Salts I and II were accessed, resp., through stereospecific allylation of hydroxy amines derivs. to give hydroxyammonium salts, which were dehydrated with trifluoroacetic acid. Allylic migration in these tricyclic tetrahydroisoquinolines occurred with high stereospecificity,



● Br⁻

RN 297753-57-2 CAPLUS
CN Pyrrolo[2,1-a]isoquinolinium, 1,2,3,5,6,10b-hexahydro-6-hydroxy-6-[4-(methylthio)phenyl]-4-(2-propenyl-1,1-d2)-, bromide, (4R,6S,10bR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● Br⁻

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:499172 CAPLUS
DOCUMENT NUMBER: 127:176352
TITLE: Quinolin-2(1H)-ones as NMDA receptor antagonists
INVENTOR(S): Ackermann, Karl-august; Gottschlich, Rudolf; Holzemann, Gunter; Leibrock, Joachim; Rautenberg, Wilfried; Seyfried, Christoph
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany; Gottschlich, Rudolf; Holzemann, Gunter; Leibrock, Joachim; Rautenberg, Wilfried; Seyfried, Christoph
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 9726244	A1	19970724	WO 1997-EP84	19970110
W: AU, BR, CA, CN, CZ, HU, JP, KR, LT, LV, MX, NO, PL, RU, SI, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19601782	A1	19970724	DE 1996-19601782	19960119
CA 2243474	AA	19970724	CA 1997-2243474	19970110
AU 9713112	A1	19970811	AU 1997-13112	19970110
AU 716230	B2	20000224		
EP 885196	A1	19981223	EP 1997-900586	19970110
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI				
CN 1211974	A	19990324	CN 1997-192395	19970110
BR 9707027	A	19990720	BR 1997-7027	19970110
JP 2000503308	T2	20000321	JP 1997-525656	19970110
ZA 9700364	A	19970722	ZA 1997-364	19970116
NO 9803333	A	19980918	NO 1998-3333	19980717
US 6028080	A	20000222	US 1998-101837	19980717
PRIORITY APPLN. INFO.:			DE 1996-19601782 A	19960119
			WO 1997-EP84 W	19970110

OTHER SOURCE(S): MARPAT 127:176352

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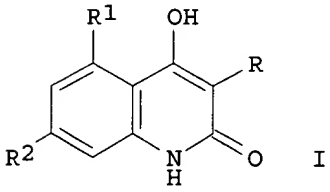

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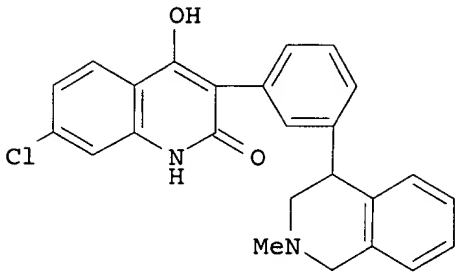


II

AB Quinolinones I [R = substituted Ph; R1, R2 = H, halogen, alkyl, alkoxy] were prepared fo use in treating neurodegenerative disorders (no data). Thus, the quinolinone II and its enantiomers were obtained from 2-BrCH2COC6H4CH2CO2Me in 9 steps.

IT **193819-37-3P 193819-40-8P 193819-43-1P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of arylquinolinones as NMDA receptor antagonists)

RN 193819-37-3 CAPLUS

CN 2(1H)-Quinolinone, 7-chloro-4-hydroxy-3-[3-(1,2,3,4-tetrahydro-2-methyl-4-isoquinolinyl)phenyl]-, monomethanesulfonate (salt) (9CI) (CA INDEX NAME)

CM 1

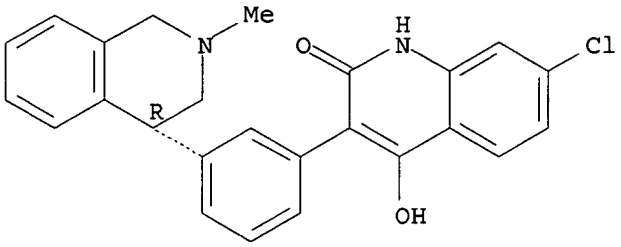
CRN 193819-36-2
CMF C25 H21 Cl N2 O2

RN 193819-43-1 CAPLUS
CN 2(1H)-Quinolinone, 7-chloro-4-hydroxy-3-[3-(1,2,3,4-tetrahydro-2-methyl-4-isoquinolinyl)phenyl]-, (R)-, monomethanesulfonate (salt) (9CI) (CA INDEX NAME)

CM 1

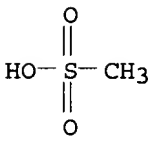
CRN 193819-42-0
CMF C25 H21 Cl N2 O2

Absolute stereochemistry.



CM 2

CRN 75-75-2
CMF C H4 O3 S



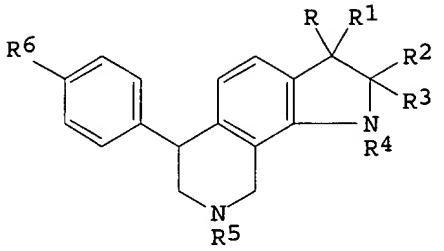
L6 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1985:523465 CAPLUS
DOCUMENT NUMBER: 103:123465
TITLE: Pyridoindole derivatives and their use
INVENTOR(S): Boltze, Karl Heinz; Davies, Margaret A.; Junge, Bodo; Schuurman, Teunis; Traber, Joerg
PATENT ASSIGNEE(S): Troponwerke G.m.b.H. und Co. K.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 62 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3333994	A1	19850404	DE 1983-3333994	19830921
EP 140070	A1	19850508	EP 1984-110732	19840908
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
US 4564613	A	19860114	US 1984-651001	19840914
AU 8433201	A1	19850328	AU 1984-33201	19840917
ES 536003	A1	19851216	ES 1984-536003	19840918
FI 8403672	A	19850322	FI 1984-3672	19840919
DK 8404487	A	19850322	DK 1984-4487	19840920
JP 60087256	A2	19850516	JP 1984-195859	19840920

ZA 8407400	A	19850626	ZA 1984-7400		19840920
HU 36119	O	19850828	HU 1984-3541		19840920
ES 545270	A1	19860316	ES 1985-545270		19850716
PRIORITY APPLN. INFO.:			DE 1983-3333994	A	19830921

OTHER SOURCE(S): CASREACT 103:123465

GI



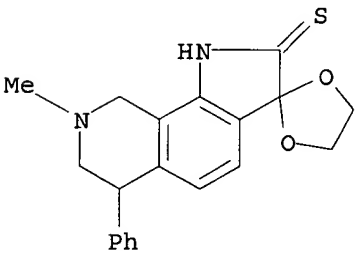
I

AB The title compds. (I; R = H, alkyl aminoalkyl, heterocyclylalkyl; RR1 = O, OCH2CH2O, SCH2CH2S; RR3 = atoms required to complete a 6-membered N-containing ring; R1R2 = H, bond; R2R3 = O; R2R4 = bond,; R4 = H, alkyl, iminomethyl, heterocyclyl; R5 = H, alkyl; R6 = halo) were prepared Thus, 2-H2NC6H4CH2NMeCH2CHPhOH was condensed with Cl3CCH(OH)2 and HONH2.HCl to give 91% 2-HON:CHCONHC6H4CH2NMeCH2CHPhOH. This was cyclized by stirring at 35° in concentrated H2SO4 to give 90% I (RR1 = R2R3 = O, R4 = R6 = H, R5 = Me). This was treated with LiAlH4 in Et2O-THF at room temperature to give 30% I (R = R3 = R4 = R6 = H, R1R2 = bond, R5 = Me) (II). II inhibited tetrabenazine-induced ptosis in mice with an ED50 of 0.3 mg/kg i.p.

IT **98159-59-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation of, with piperidine)

RN 98159-59-2 CAPLUS

CN Spiro[1,3-dioxolane-2,3'-[3H]pyrrolo[3,2-h]isoquinoline]-2'(1'H)-thione, 6',7',8',9'-tetrahydro-8'-methyl-6'-phenyl- (9CI) (CA INDEX NAME)



L6 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

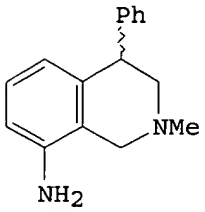
ACCESSION NUMBER:	1985:62095 CAPLUS
DOCUMENT NUMBER:	102:62095
TITLE:	Optical antipodes of 8-amino-4-phenyl-1,2,3,4-tetrahydroisoquinoline and pharmaceuticals containing them with an antidepressive action
INVENTOR(S):	Schmitt, Karl; Kruse, Hansjoerg; Schacht, Ulrich; Kunstmann, Rudolf
PATENT ASSIGNEE(S):	Hoechst A.-G. , Fed. Rep. Ger.
SOURCE:	Ger. Offen., 8 pp. CODEN: GWXXBX
DOCUMENT TYPE:	Patent
LANGUAGE:	German

09/902,845

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3310878	A1	19840927	DE 1983-3310878	19830325
DK 8401447	A	19840926	DK 1984-1447	19840229
EP 120438	A1	19841003	EP 1984-103021	19840320
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 59176260	A2	19841005	JP 1984-54620	19840323
ES 530905	A1	19850416	ES 1984-530905	19840323

PRIORITY APPLN. INFO.: DE 1983-3310878 A 19830325
GI



I

AB The antidepressant (no data) racemic title compound (I) was separated into its enantiomers by crystallization of its salt with N-(phenylsulfonyl)-L-(+)-glutamic acid.

IT **94532-83-9P 94532-84-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and decomposition of)

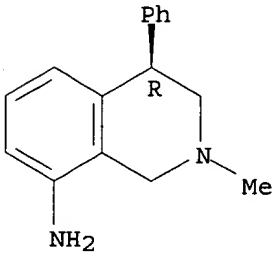
RN 94532-83-9 CAPLUS

CN L-Glutamic acid, N-(phenylsulfonyl)-, compd. with (R)-1,2,3,4-tetrahydro-2-methyl-4-phenyl-8-isoquinolinamine (9CI) (CA INDEX NAME)

CM 1

CRN 89664-20-0
CMF C16 H18 N2

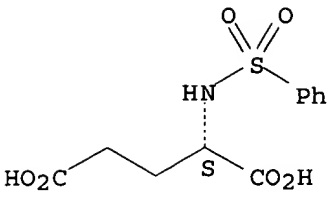
Absolute stereochemistry.



CM 2

CRN 20531-36-6
CMF C11 H13 N O6 S

Absolute stereochemistry.

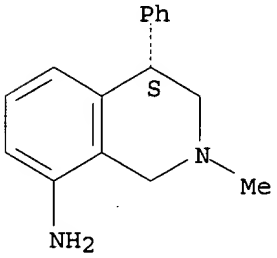


RN 94532-84-0 CAPLUS
CN L-Glutamic acid, N-(phenylsulfonyl)-, compd. with (S)-1,2,3,4-tetrahydro-2-methyl-4-phenyl-8-isoquinolinamine (9CI) (CA INDEX NAME)

CM 1

CRN 89664-18-6
CMF C16 H18 N2

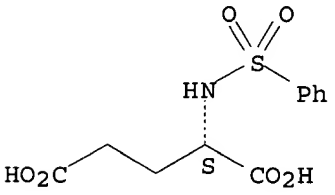
Absolute stereochemistry.



CM 2

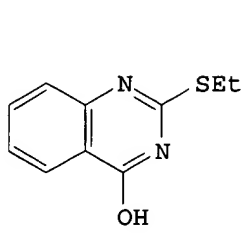
CRN 20531-36-6
CMF C11 H13 N O6 S

Absolute stereochemistry.



L6 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1982:104179 CAPLUS
DOCUMENT NUMBER: 96:104179
TITLE: Preparation of condensed 2-alkylthio-4-hydroxypyrimidines
AUTHOR(S): Haede, Werner
CORPORATE SOURCE: Hoechst A.-G., Frankfurt/Main, D-6230/80, Fed. Rep. Ger.
SOURCE: Journal of Heterocyclic Chemistry (1981), 18(7), 1417-19
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: German

OTHER SOURCE(S): CASREACT 96:104179
GI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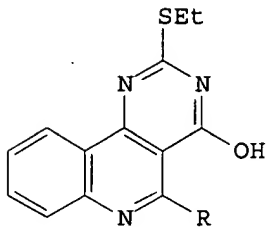
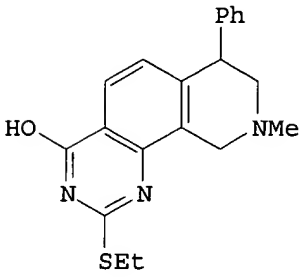
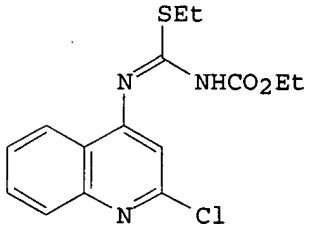

II


III

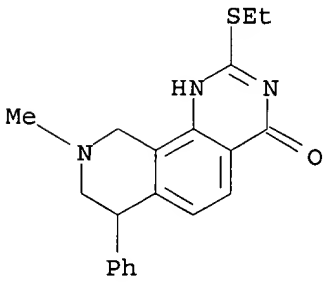

IV

AB The condensed pyrimidines I, II (R = Me, Cl), and III were prepared by cyclization of a S-allylisothioureas. Thus, heating the isothiourea IV 1 h at 175° gave 93% II (R = Cl).

IT **80947-23-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrolysis of)

RN 80947-23-5 CAPLUS

CN Pyrido[4,3-h]quinazolin-4(1H)-one, 2-(ethylthio)-7,8,9,10-tetrahydro-9-methyl-7-phenyl- (9CI) (CA INDEX NAME)



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FILE 'REGISTRY' ENTERED AT 09:21:29 ON 15 DEC 2005
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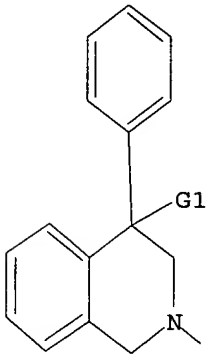
L2 45 S L1
L3 901309 S 4-7/NR AND 1-4/N AND 0-4/O AND 0-1/S
L4 3 S L1 SAM SUB=L3
L5 38 S L1 FULL SUB=L3

FILE 'CAPLUS' ENTERED AT 09:24:37 ON 15 DEC 2005
L6 8 S L5

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 H,O,X

Structure attributes must be viewed using STN Express query preparation.

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